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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/672,937	09/26/2003	Timothy B. Stockwell	ABIOS.042A	9457
	7590 10/31/200 , PATENT DEPT.	EXAMINER		
APPLIED BIOSYSTEMS 850 LINCOLN CENTRE DRIVE			ZHOU, SHUBO	
FOSTER CITY, CA 94404			ART UNIT	PAPER NUMBER
			1631	
			MAIL DATE	DELIVERY MODE
			10/31/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)		
	10/672,937	STOCKWELL ET AL.		
Office Action Summary	Examiner	Art Unit		
	SHUBO (Joe) ZHOU	1631		
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address		
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status				
1) ■ Responsive to communication(s) filed on 7/15. 2a) ■ This action is FINAL . 2b) ■ This 3) ■ Since this application is in condition for alloward closed in accordance with the practice under Expression 1.	s action is non-final. nce except for formal matters, pro			
Disposition of Claims				
4)	wn from consideration.			
Application Papers				
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	epted or b) objected to by the I drawing(s) be held in abeyance. See tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate		

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DETAILED ACTION

Applicant's amendment and request for reconsideration filed 7/15/08 are acknowledged and the amendment is entered.

Claims 1-9, 11, 16, 18, and 45-46 are currently pending and under consideration.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1-9, 11, 16, 18, and 45-46 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Note that the rejection is reinstated in view of recent court decision and Office's guidelines in examination.

The claims are drawn to a method for analyzing sample sequence information relating to at least one sample comprising acquiring sample sequence information, assembling consensus sequence information from the sample sequence information, generating rule-based criteria, identifying ambiguous bases present within the consensus, and outputting the ambiguous bases to a user.

Since the claims are drawn to a method that involves judicial exception and data manipulation, the following analyses of facts of this particular patent application follows the rationales suggested in the Office's guidance to examiners under the Memorandum

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"Clarification of 'processes' under 35 USC § 101" (published May 15, 2008, available online www.uspto.gov/web/patents/memorandum.htm) and the "Interim Guidelines for Examination of Patent Applications for Patent Subject Matter Eligibility" (OG Notices: 22 November 2005, available from the US PTO website at http://www.uspto.gov/web/offices/com/sol/og/2005/week47/og200547.htm), which is incorporated in the MPEP 2106.IV.C.2.

Paragraph three of the Memorandum states:

"Based on Supreme Court precedent¹ and recent Federal Circuit decisions, the Office's guidance to examiners is that a § 101 process must (1) be tied to another statutory class (such as a particular apparatus) or (2) transform underlying subject matter (such as an article or materials) to a different state or thing. If neither of these requirements is met by the claim, the method is not a patent eligible process under §101 and should be rejected as being directed to nonstatutory subject matter."

The methods of the instant claims are not tied to another statutory class (such as a particular apparatus) either explicitly or inherently. Nominal or token recitations will not suffice, e.g. displaying, inputting, obtaining, etc. See ex parte Langemyr; Appeal 2008-1495, decided May 28, 2008. Reciting another statutory class in the preamble does not make the invention tie to the statutory class. Furthermore, in the instant invention, there is no physical transformation because a process of sequence data manipulation does not transform an article or physical object to a different state or thing. Therefore, at least for one embodiment, the claimed methods are not statutory process. Thus claims are thus drawn to nonstatutory subject matter.

The rejection of claim 47 under 35 U.S.C. 101 in the previous Office action is withdrawn in view of the cancellation of the claim in the amendment filed 7/15/08.

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Claim Rejections-35 USC § 112

The rejection of claims 1-11, 13-16, 18, and 45-47 under 35 U.S.C. 112, second paragraph, in the previous Office action is withdrawn in view of applicant's amendments filed 7/15/08.

Conclusion

No claim is allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shubo (Joe) Zhou, whose telephone number is 571-272-0724. The examiner can normally be reached Monday-Friday from 8 A.M. to 4 P.M. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marjorie Moran, can be reached on 571-272-0720. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/Shubo (Joe) Zhou/

Primary Examiner, Art Unit 1631

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